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MODULATOR NOISE REDUCTION VIA MOTOR CONTROL**ABSTRACT OF THE DISCLOSURE**

The invention provides a method for controlling a vehicle with a braking system including a modulator pump. A first fluid line can communicate brake fluid from the master cylinder to a brake caliper. An isolation valve including a pressure bypass can be disposed along the fluid line between the master cylinder and the brake caliper. A second fluid line can extend from a first position along the first fluid line between the master cylinder and the isolation valve to a second position along the first fluid line between the isolation valve and the brake caliper. A modulating pump is disposed along the second fluid line to pump fluid to the brake caliper during a controlled brake event. The modulator pump is engaged to pump fluid to the brake caliper until the pressure in the first fluid line reached slightly below the predetermined pressure to prevent the isolation valve from opening in response to excessive pressure.